COPY OF PAPEL
ORIGINALLY FILED

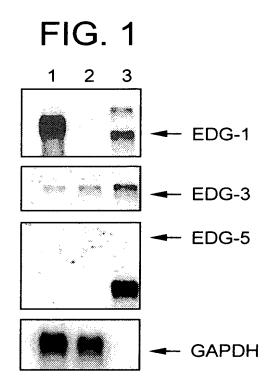
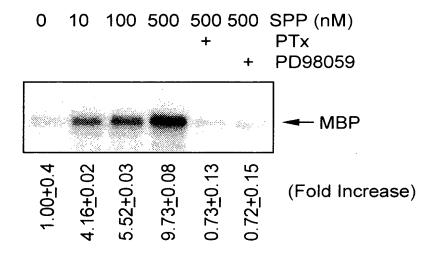


FIG. 3



Applicant: Hla et al. Serial No: 09/945,353 Sheet 2/22

COPY OF PAPERS ORIMNALLY FILED

FIG. 2A

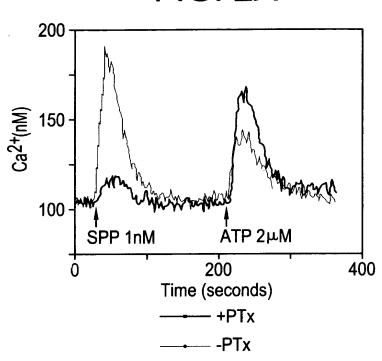
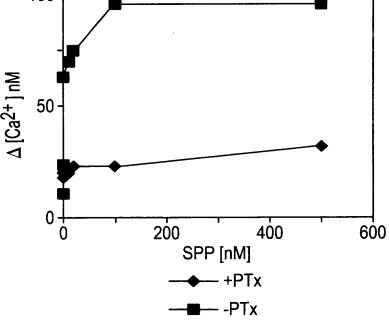


FIG. 2B 100



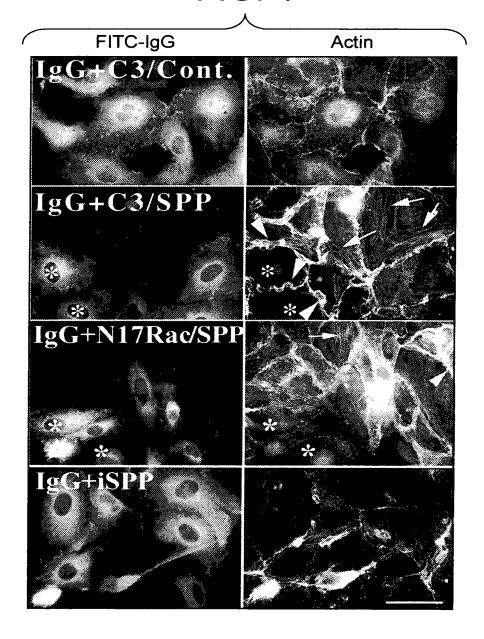
pplicant: Hla et al.

Applicant: Hla et al. Serial No: 09/945,353

Sheet 3/22

COPY OF PAPERS ORIGINALLY FILED

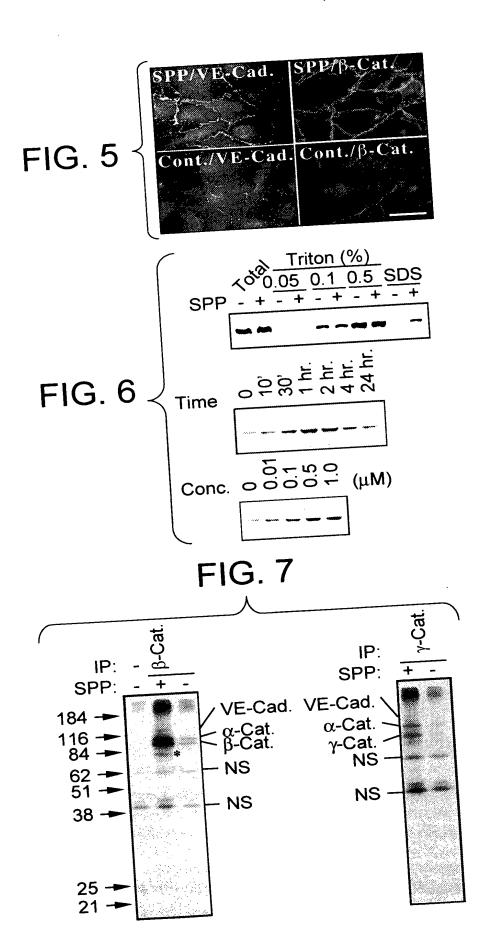
# FIG. 4



Title: Method for Regulating Angiogenesis

Applicant: Hla et al. Serial No: 09/945,353

Sheet 4/22



COPY OF PAH ORIGINALLY FILE:

Title: Method for Regulating Angiogenesis

Applicant: Hla et al. Serial No: 09/9 Sheet 5/22

COPY OF PAPERS ORIGINALLY FILED

## FIG. 8A

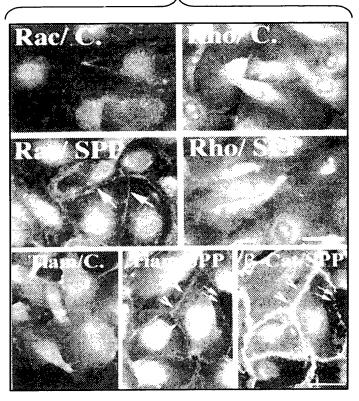
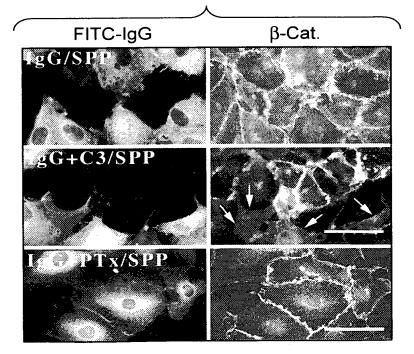


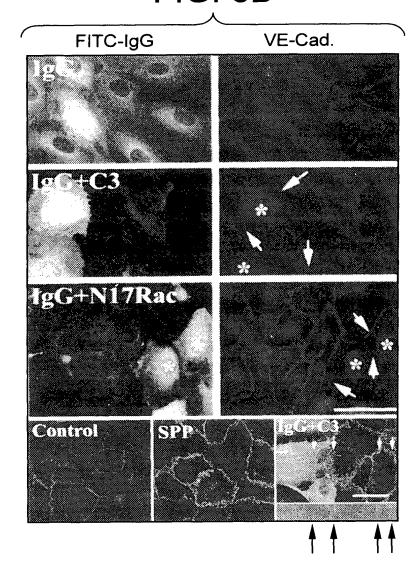
FIG. 8C



nitie: Method for Regulating Angiogenesis Applicant: Hla et al. Serial N: 09/945,353 Sheet 6/22

COPY OF PAPERS ORIGINALLY FILED

# FIG. 8B



Title: Method for Regulating Angiogenesis Applicant: Hla et al. Serial No: 09/945,353 Sheet 7/22

**COPY OF PAPERS ORIGINALLY FILED** 

FIG. 9A

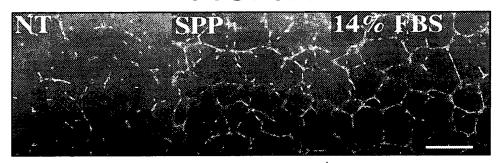


FIG. 9B

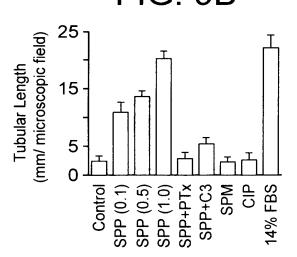
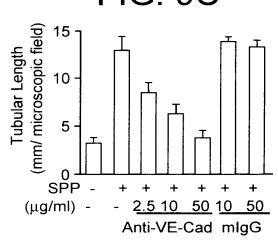


FIG. 9C



Title: Method for Regulating Angiogenesis

Applicant: Hla et al. Serial No: 09/945,353

Sheet 8/22

COPY OF PAPERS ORIGINALLY FILED

FIG. 10A

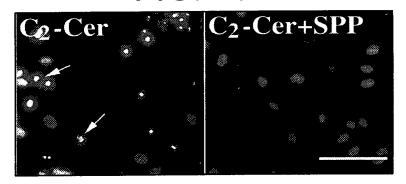
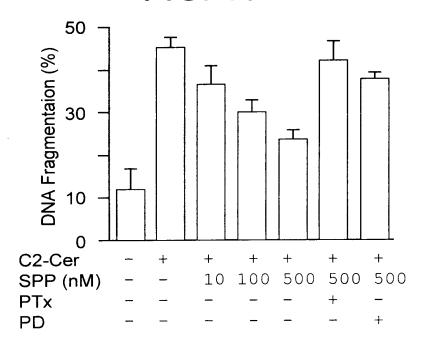


FIG. 10B



Title: Method for Regulating Angiogenesis Applicant: Hla et al. Serial No: 09/945,353

Sheet 9/22

COPY OF PAP. ORIGINALLY FILL

FIG. 11A

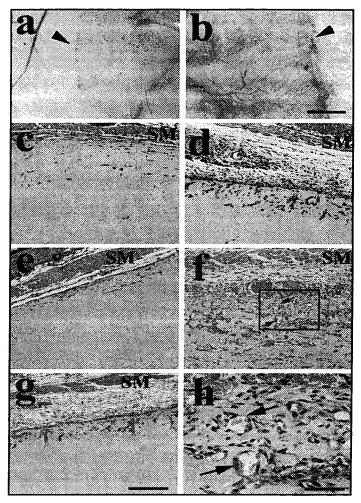
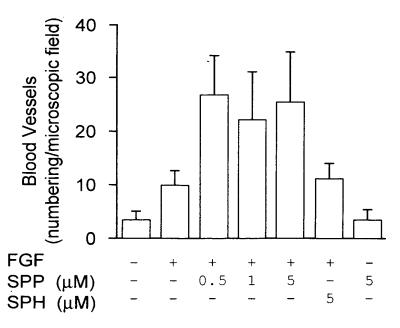


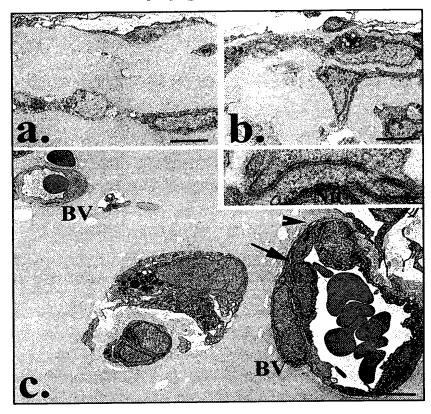
FIG. 11B



Title: Method for Regulating Angiogenesis Applicant: Hla et al. Serial No: 09/945,353 Sheet 10/22

COPY OF PAPERS ORIGINALLY FILED

# FIG. 11C



# FIG. 12

SE	O ID	NO:1	5'-GAC	GCT	GGT	GGG	CCC	CAT-3'	(antisense	EDG-1)
		NO:2	5'-GCT	GGT	GGG	CCC	CAT	GGT-3'	(antisense	EDG-1)
SE	Q ID	NO:3	5'-ATG	GGG	CCC	ACC	AGC	GTC-3'	(sense EDG-	-1)
SE	Q ID	NO:4	5'-TGA	TCC	TTG	GCG	GGG	CCG-3'	(scrambled	EDG-1)
SE	Q ID	NO:5	5'-CGG	GAG	GGC	AGT	TGC	CAT-3'	(antisense	
SE	Q ID	NO:6	5'-ATG	GCA	ACT	GCC	CTC	CCG-3'	(sense EDG-	-3)
SE	Q ID	NO:7	5'-ATC	CGT	CAA	GCG	GGG	GTG-3'	(scrambled	EDG-3)
SE	O ID	NO:8	5'-CGA	GTA	CAA	GCT	GCC	CAT-3'	(antisense	EDG-5)

Title: Method for Regulating Angiogenesis

Applicant: Hla et al. Serial No: 09/945,353

Sheet 11/22

COPY OF PAPEL ORIGINALLY FILED

FIG. 13

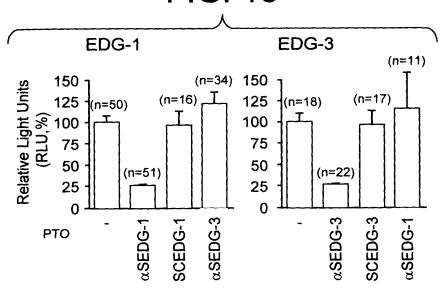
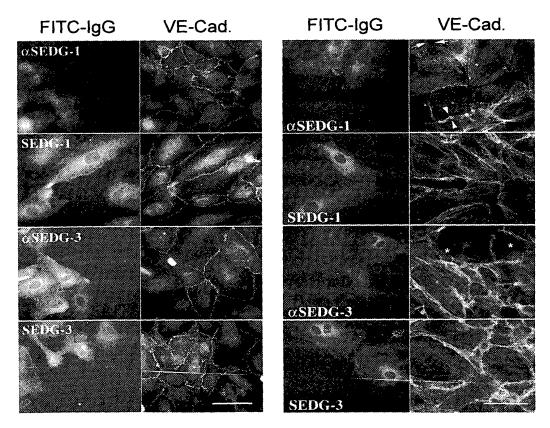


FIG. 14

FIG. 15



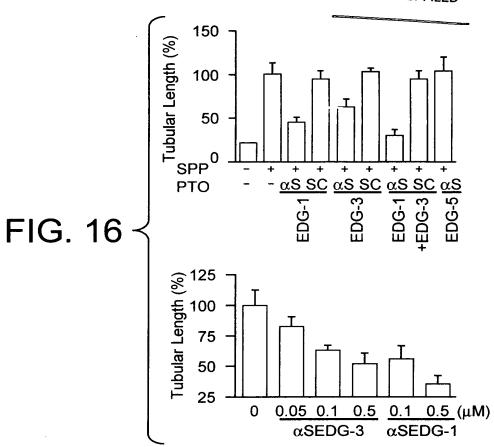
ಕ ಪಕ್ಷಪ್ರಕ್ಷಿಸಿದ್ದಾನ್ನ

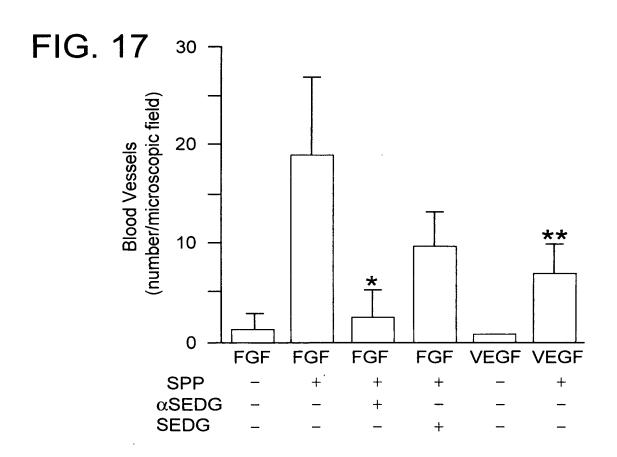
 $x_{i+1}^{r_{i+1}}$ 

Applicant: Hla et al.
Serial No: 09/945,353

Sheet 12/22

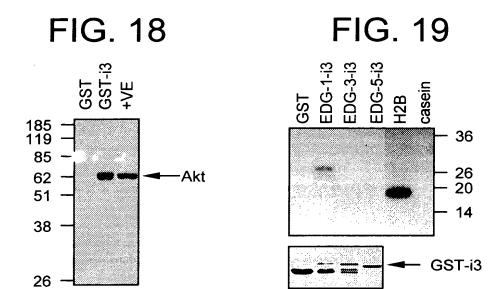


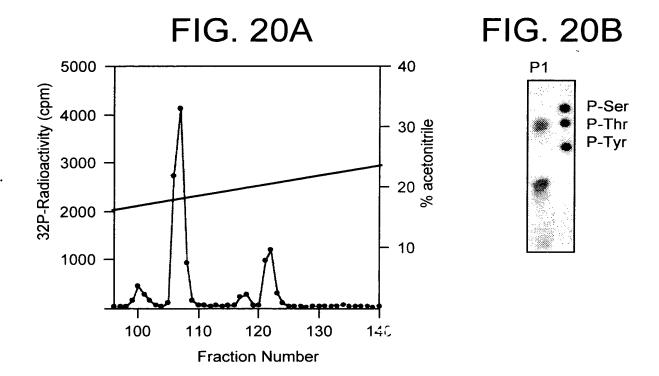




Sheet 13/22

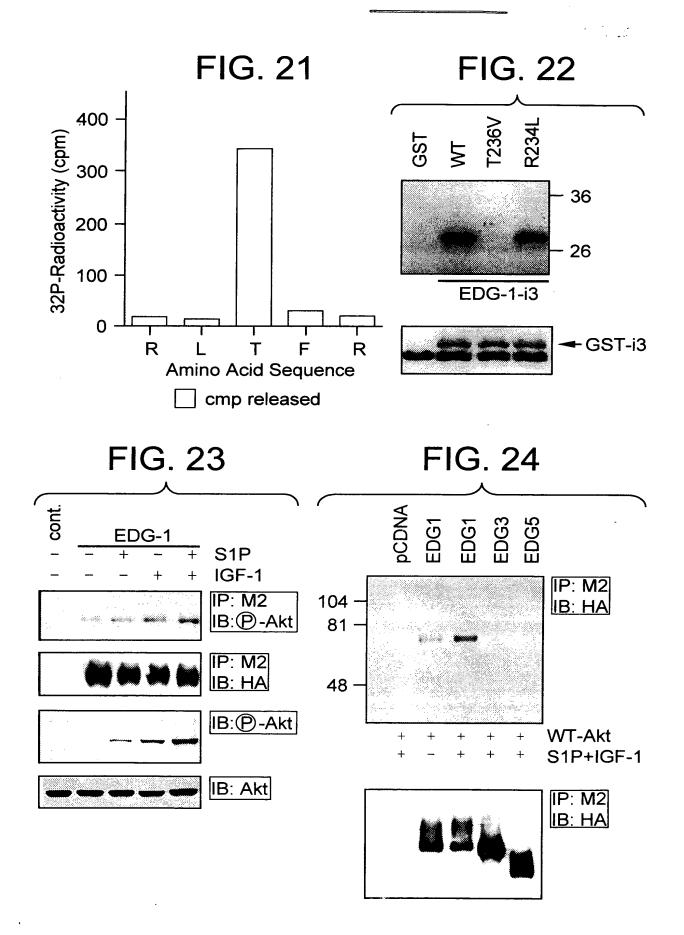
COPY OF PAPERS ORIGINALLY FILED





Applicant: Hla et al.
Serial No: 09/945,353
Sheet 14/22

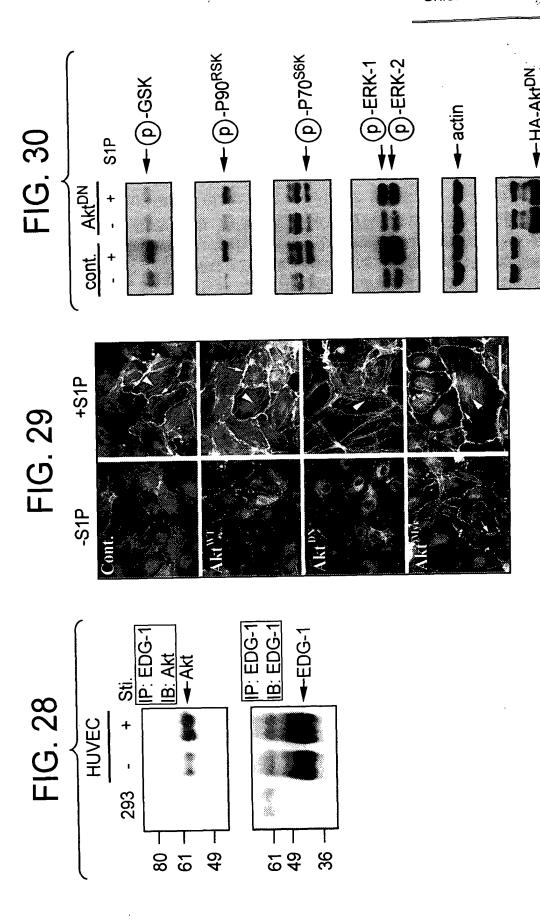




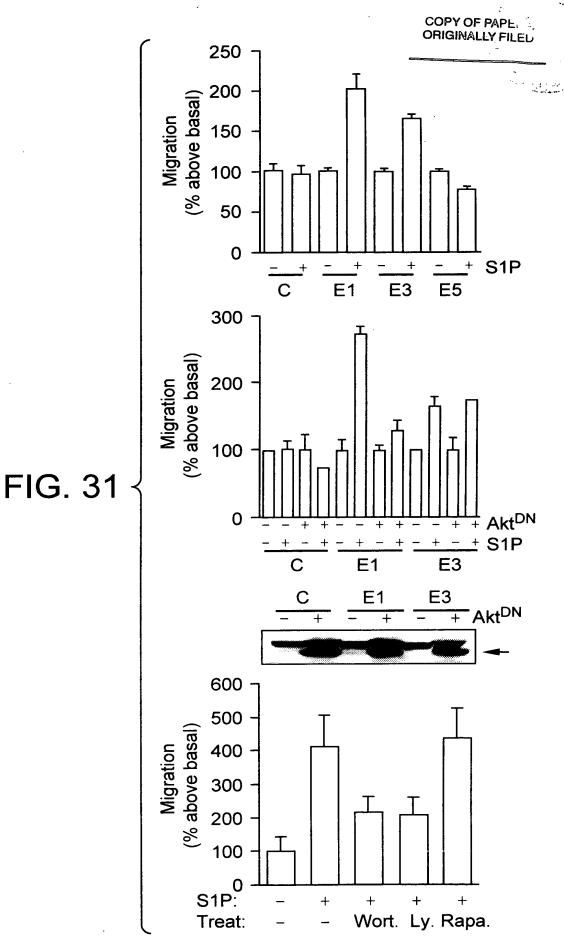
Title: Method for Regulating Angiogenesis Applicant: Hla et al. Serial No: 09/945,353 Sheet 15/22 PY OF PAPERS IGINALLY FILED S1P L≺ wort FIG. 27 9 15 2 0 49 38 80 61 49 99 61 ►EDG-1 -EDG-1 15 (min.) 10 30 60 (min.) FIG. 26 EDG-1 15 S 0 8 ည S1P: 0 LY: -0 S1P: + IGF-1 S1P IGF-1 Myr Akt əΛ FIG. 25 + Myr + DN N TW + TW + ⋈ TW i

48

<del>6</del> ₩



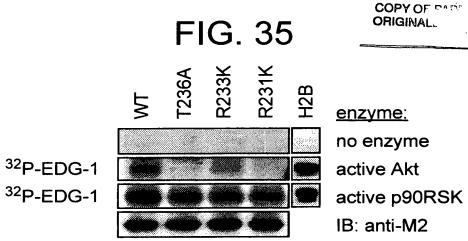
Sheet 17/22

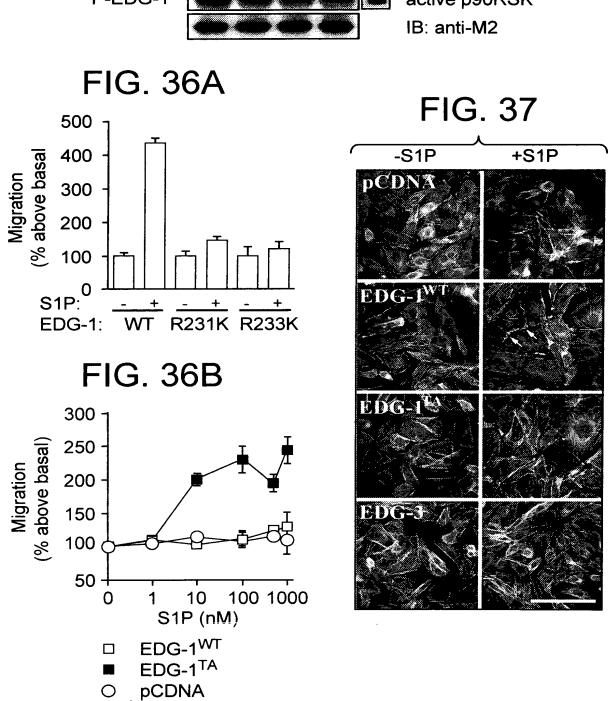


Title: Method f r Regulating Angiogenesis Applicant: Hla et al. Serial No: 09/945,353 Sheet 18/22 COPY OF PAPERS ORIGINALLY FILED FIG. 34 **pCDNA** FIG. 32 150 T AKTW Relative Light Units (RLU, %) IP: M2 IB: HA 100 50 IP: M2 IB: M2 0 1 50 S1P (nM) 1 50 EDG-1WT EDG-1<sup>TA</sup> IB: HA FIG. 33 EDG-1WT EDG-1<sup>TA</sup> pCDNA 0 5 15 0 5 15 30 60 (S1P / min.) 0 5 15 30 60 ERK-1 -ERK-2 p)-Akt p-gsk

actin

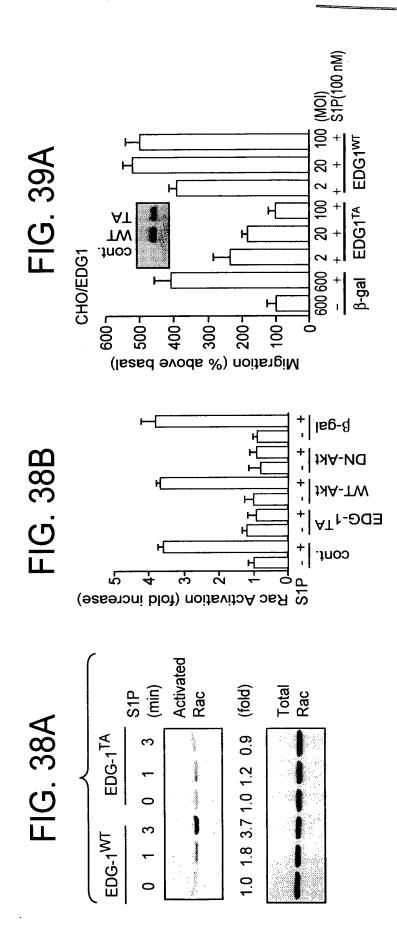
Title: Method for Regulating Angiogenesis Applicant: Hla et al. Serial No: 09/945,353 Sheet 19/22





Sheet 20/22

COPY OF PAPERS ORIGINALLY FILED



Title: Method for Regulating Angiogenesis Applicant: Hla et al. Serial No: 09/945,353 Sheet 21/22 COPY OF PAPERS ORIGINALLY FILED 0 10 10 10 10 (MOI) 0 0 10 60 200 210 200 190 140 0 FIG. 41 EDG-1<sup>TA</sup> WT-Akt noitsigiM to noitidinnl (hortnoo to %) 8 8 4 5 8 100 9 400 Migration (OD575)

FIG. 39B

CHO/EDG3

500-

300-

Migration (% above basal)

200-

Title: Method for Regulating Angi genesis Applicant: Hla et al. Serial No: 09/945,353 Sheet 22/22

COPY OF PAPERS ORIGINALLY FILED

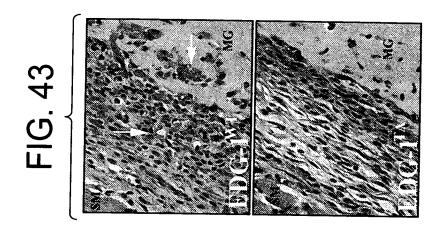


FIG. 42